

PTO/SB/02A (08-01)

Substitute for form 1448A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>	
			Application Number	09/724,571
Sheet <b>1</b> of <b>4</b>			Filing Date	November 28, 2000
			First Named Inventor	Anderson
			Art Unit	1652
			Examiner Name	Walicka, M. A.
			Attorney Docket Number	015270-008444US

U.S. PATENT DOCUMENTS*					
Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code‡ (if known)			
dw	153	6,852,482	02-08-2003	Gurney et al.	
dw	149	6,844,148	01-18-2003	Gurney et al.	
dw	148	6,835,563	12-28-2004	Gurney et al.	
dw	91 B2	6,828,117	12-07-2004	Gurney et al.	
dw	139	6,825,023	11-30-2004	Gurney et al.	
dw	113	6,797,487	09-28-2004	Gurney et al.	
dw	114	6,790,610	09-14-2004	Gurney et al.	
dw	115	6,753,163	06-22-2004	Gurney et al.	
dw	116	6,737,510	05-18-2004	Gurney et al.	
dw	117	6,727,074	04-27-2004	Gurney et al.	
dw	118	6,706,485	03-16-2004	Gurney et al.	
dw	119	6,699,671	03-02-2004	Gurney et al.	
dw	154	6,627,739	09-30-2003	Anderson	
dw	120	6,500,667	12-31-2002	Gurney et al.	
dw	121	6,440,698	08-27-2002	Gurney et al.	
dw	122	6,420,534 ✓	07-16-2002	Gurney et al.	
dw	141	5,863,756	01-26-1999	Barr et al.	
dw	140	2004/0234976	11-25-2004	Gurney et al.	
dw	123	2004/0166507	08-26-2004	Gurney et al.	
dw	124	2004/0048303	03-11-2004	Gurney et al.	
dw	125	2004/0043408	03-04-2004	Gurney et al.	
dw	128	2002/0081634	06-27-2002	Gurney et al.	
dw	130	2002/0037315	03-28-2002	Gurney et al.	
dw	131	2001/0021591	09-13-2001	Gurney et al.	
dw	142	10/817,979		Gurney et al.	
dw	143	10/477,076		Gurney et al.	
dw	144	09/668,314		Gurney et al.	
dw	94	09/548,370		Gurney et al.	
dw	97	09/548,369		Gurney et al.	
dw	95	09/548,365		Gurney et al.	
dw	27	09/404,133		Gurney et al.	
dw	152	60/169,332		Gurney et al.	
dw	28	09/277,229		Citron et al.	
dw	29	60/210,292		Hong et al.	
dw	30	60/178,368		Lin et al.	

Examiner Signature	<i>M. Walicka</i>	Date Considered	4/20/05
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 808. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. †Applicant's unique citation designation number (optional). ‡Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. §Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ¶For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*\*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \*\*\*Applicant is to

PTO/5B/01A (08-03)

Substitute for form 1448A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	09/724,671	
			Filing Date	November 28, 2000	
			First Named Inventor	Anderson	
			Art Unit	1852	
Examiner Name	Walicka, M. A.				
Attorney Docket Number	015270-008444US				
Sheet	2	of	4		

U.S. PATENT DOCUMENTS*					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code* (if known)			
dm	31	60/177,836		Lin et al.	
dm	32	60/168,060		Lin et al.	
dm	33	60/155,493		Gurney et al.	
dm	34	60/141,363		Lin et al.	
dm	35	60/139,172		Anderson et al.	
dm	36	60/119,571		Basi et al.	
dm	37	60/114,408		Basi et al.	
dm	38	60/101,594		Gurnoy et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
dm	134	WO	01/50829	A2	07-19-2001			<input type="checkbox"/>
dm	135	WO	01/49098	A2	07-12-2001			<input type="checkbox"/>
dm	136	WO	01/49097	A2	07-12-2001			<input type="checkbox"/>
dm	137	WO	01/23533	A2	04-05-2001			<input type="checkbox"/>
dm	170	EP	1 445 263	A1	08-11-2004			<input type="checkbox"/>
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dm	168	GB	2 389 113	B	02-04-2004			<input type="checkbox"/>
dm	169	GB	2 389 182	B	02-04-2004			<input type="checkbox"/>

Examiner Signature	<i>M. Walicka</i>	Date Considered	4/20/05
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PTO/SB/353 (08-03)

Substitute for form 1448B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	09/724,571	
		Filing Date	November 28, 2000		
		First Named Inventor	Anderson		
		Art Unit	1852		
		Examiner Name	Walicka, M. A.		
Sheet	3	of	4	Attorney Docket Number	015270-006444US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
dw	181	BORK, P., "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle," <u>Genome Research</u> , 10:398-400 (2000).	
dw	179	BROWN et al., "Catalytic Plasticity of Pantoic Acid Modification Enzymes Underlying Chemical Diversity," <u>Science</u> , 282:131-133 (1998).	
dw	178	DAS et al., "Estrogenic responses in estrogen receptor- $\alpha$ deficient mice reveal a distinct estrogen signaling pathway," <u>PNAS</u> , 94:12786-12791 (1997).	
dw	151	Declaration of Michael Bienkowski, Ph.D. in U.S. patent application 09/548,368	
dw	183	DENNIS et al., "Kunitz Domain Inhibitors of Tissue Factor-Factor VIIa," <u>J. Biol. Chem.</u> , 269(35):22129-22136 (1994).	
dw	155	Examination Report for United Kingdom 00121314.9 dated November 1, 2002.	
dw	156	Examination Report for United Kingdom 00121314.9 dated July 21, 2003.	
dw	157	Examination Report for United Kingdom 00121314.9 dated October 30, 2003.	
dw	158	Examination Report for United Kingdom Application 0318112.0 dated November 19, 2003.	
dw	159	Search and Examination Report for United Kingdom Application 0318112.0 dated September 24, 2003.	
dw	160	Search and Examination Report for United Kingdom Application 0318107.0 dated September 25, 2003.	
dw	161	Search and Examination Report for United Kingdom Application 0318113.8 dated September 25, 2003.	
dw	162	Examination Report for United Kingdom Application 0318113.8 dated November 19, 2003.	
dw	163	Examination Report for European Application 00919298.0 dated October 30, 2003.	
dw	164	Search Report for European Application 04006991.6 dated June 11, 2004.	
dw	165	Examination Report for New Zealand Application 534876 dated August 27, 2004.	

Examiner Signature	<i>M. Walicka</i>	Date Considered	04/20/05
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PTO/SB/02B (01-02)

Substitute for form 1449S/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)			<b>Complete If Known</b>		
			Application Number	09/724,571	
			Filing Date	November 28, 2000	
			First Named Inventor	Anderson	
			Art Unit	1652	
			Examiner Name	Walicka, M. A.	
Sheet	4	of	4	Attorney Docket Number	015270-008444US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T #
dm	184	International Preliminary Examination Report for PCT application PCT/US00/03819 dated 9/4/02.	
dm	146	Examination Report for European Application 00919298.0 dated September 9, 2004.	
dm	147	HARDY, J., "Framing beta-amyloid," <i>Nature Genetics</i> , 1(4):233-234 (1992).	
dm	176	JACKSON et al., "The p47 <sup>phx</sup> Mouse Knock-Out Model of Chronic Granulomatous Disease," <i>J. Exp. Med.</i> , 182:751-758 (1995).	
dm	182	KICK et al., "Structure-based design and combinatorial chemistry yield low nanomolar inhibitors of cathepsin D," <i>Chem. &amp; Biol.</i> , 4:297-307 (1997).	
dm	173	KRISTIE, T. M., "The Mouse Homologue of the Human Transcription Factor CI (Eos Cell Factor)," <i>J. Biol. Chem.</i> , 272(42):26749-26755 (1997).	
dm	174	LI et al., "Cloning and Characterization of Three New Murine Genes Encoding Short Homologues of RNase P RNA," <i>J. Biol. Chem.</i> , 270(42):25281-25285 (1995).	
dm	150	Office Action dated 5/6/02 in U.S. patent application 09/548,368	
dm	77	PCT Search report for PCT/US99/20881	
dm	78	PCT Search report for PCT/US00/03819	
dm	177	RAABE et al., "Knockout of the abetalipoproteinemia gene in mice: Reduced lipoprotein secretion in heterozygotes and embryonic lethality in homozygotes," <i>PNAS</i> , 95:8686-8691 (1998).	
dm	172	SUN et al., "Gene Structure, Chromosomal Localization, and Expression of the Murine Homologue of Human Proteinase Inhibitor 6 (PI-6) Suggests Divergence of PI-6 from the Ovalbumin Serpins," <i>J. Biol. Chem.</i> , 270(27):16089-16096 (1995).	
dm	175	UMANS et al., "Targeted Inactivation of the Mouse $\alpha$ -Macroglobulin Gene," <i>J. Biol. Chem.</i> , 270(34):19778-19785 (1995).	
dm	180	VAN DE LOO et al., "An oleate 12-hydroxylase from <i>Ricinus communis</i> L. is a fatty acyl desaturase homolog," <i>ENBS</i> , 92:6743-6747 (1995).	

Examiner Signature	<i>M. Walicka</i>	Date Considered	04/20/05
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60425683 v1

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 6

C m p l e if Known

Application Number	09/724,571
Filing Date	November 28, 2000
First Named Inventor	John P. Anderson
Art Unit	1632
Examiner Name	Thaian N. Ton
Attorney Docket Number	015270-006444US

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### U.S. PATENT DOCUMENTS

Examiner	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
<i>[initials]</i>	1	6,361,975		03-26-2002	Christie, et al.	
<i>[initials]</i>	2	6,358,725		03-19-2002	Christie, et al.	
<i>[initials]</i>	3	6,319,489		11-20-2001	Powell, et al.	
<i>[initials]</i>	4	6,319,689		11-20-2001	Powell, et al.	
<i>[initials]</i>	5	6,313,268		11-06-2001	Hook	
<i>[initials]</i>	6	6,245,884		06-12-2001	Hook	
<i>[initials]</i>	7	6,245,964		06-12-2001	McConlogue, et al.	
<i>[initials]</i>	8	6,221,645		04-24-2001	Chrysler, et al.	
<i>[initials]</i>	9	6,211,428		04-03-2001	Singh, et al.	
<i>[initials]</i>	10	6,162,630		12-19-2000	Powell, et al.	
<i>[initials]</i>	11	6,025,180		02-15-2000	Powell, et al.	
<i>[initials]</i>	12	5,942,400		08-24-1999	Anderson, et al.	
<i>[initials]</i>	13	5,877,015		03-02-1999	Hardy, et al.	
<i>[initials]</i>	14	5,849,560		12-15-1998	Abraham	
<i>[initials]</i>	15	5,837,672		11-17-1998	Schenk, et al.	
<i>[initials]</i>	16	5,795,963		08-18-1998	Mullan	
<i>[initials]</i>	17	5,766,846		06-16-1998	Schlossmacher, et al.	
<i>[initials]</i>	18	5,750,349		05-12-1998	Suzuki, et al.	
<i>[initials]</i>	19	5,744,346		04-28-1998	Chrysler, et al.	
<i>[initials]</i>	20	5,733,768		03-31-1998	Dixon, et al.	
<i>[initials]</i>	21	5,593,846		01-14-1997	Schenk, et al.	
<i>[initials]</i>	22	5,455,169		10-03-1995	Mullan	
<i>[initials]</i>	23	5,424,205		06-13-1995	Dovey, et al.	
<i>[initials]</i>	112	09/869,414			Gurney, et al.	
<i>[initials]</i>	90	09/794,927			Gurney, et al.	
<i>[initials]</i>	91	09/794,925			Gurney, et al.	

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April 12, '03

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<sup>2</sup> Applicant's unique citation designation number (optional). <sup>3</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 2 of 6

Complete if Known

Application Number	09/724,571
Filing Date	November 28, 2000
First Named Inventor	John P. Anderson
Art Unit	1632
Examiner Name	Thaian N. Ton
Attorney Docket Number	015270-006444US

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	89	09/795,847	NA	Gurney, et al.	
	92	09/794,748		Gurney, et al.	
	88	09/794,743		Gurney, et al.	
	111	09/681,442		Gurney, et al.	
	87	09/551,853		Gurney, et al.	
	96	09/548,376		Gurney, et al.	
	24	09/548,373		Gurney, et al.	
	99	09/548,372		Gurney, et al.	
	94	09/548,370		Gurney, et al.	
	97	09/548,369		Gurney, et al.	
	100	09/548,368		Gurney, et al.	
	98	09/548,367		Gurney, et al.	
	25	09/548,366		Gurney, et al.	
	95	09/548,365		Gurney, et al.	
	26	09/416,901		Gurney, et al.	
	27	09/404,133		Gurney, et al.	
	28	09/277,229		Citron, et al.	
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	31	60/177,836		Lin, et al.	
	32	60/168,060		Lin, et al.	
	33	60/155,493		Gurney, et al.	
	34	60/141,363		Lin, et al.	
	35	60/139,172		Anderson, et al.	
	36	60/119,571		Basi, et al.	
	37	60/114,408		Basi, et al.	
	38	60/101,594		Gurney, et al.	

Examiner  
Signature*M. A. Lick*Date  
Considered

04/12/03

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Sheet 3 of 6

Complete If Known

Application Number 09/724,571  
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First Named Inventor John P. Anderson  
Art Unit 1632  
Examiner Name Thaian N. Ton  
Attorney Docket Number 015270-006444US

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## FOREIGN PATENT DOCUMENTS

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JW	39	EP	EP 0 855 444	A2	07-29-1998			
JW	40	EP	EP 0 848 062	A2	06-17-1998			
JW	48	PCT	WO 01/38487	A2	05-31-2001			
JW	49	PCT	WO 01/36600	A1	05-25-2001			
JW	50	PCT	WO 01/31054	A1	05-03-2001			
JW	51	PCT	WO 01/29563	A1	04-26-2001			
JW	52	PCT	WO 01/00665	A2	01-04-2001			
JW	53	PCT	WO 01/00663	A2	01-04-2001			
JW	47	PCT	WO 00/69262	A1	11-23-2000			
JW	46	PCT	WO 00/68266	A1	11-16-2000			
JW	45	PCT	WO 00/58479	A1	10-05-2000			
JW	44	PCT	WO 00/56871	A2	09-28-2000			
JW	43	PCT	WO 00/47618	A3	08-17-2000			
JW	42	PCT	WO 00/23576	A2	04-27-2000			
JW	41	PCT	WO 00/17369	A2	03-30-2000			
JW	54	PCT	WO 99/64587	A1	12-16-1999			
JW	55	PCT	WO 99/46281	A2	09-16-1999			
JW	57	PCT	WO 99/34004	A2	08-07-1999			
JW	59	PCT	WO 99/31236	A2	06-24-1999			
JW	60	PCT	WO 98/26059		06-18-1998			
JW	61	PCT	WO 98/21589		05-22-1998			
JW	62	PCT	WO 98/13488		04-02-1998			
JW	63	PCT	WO 98/11236		03-19-1998			
JW	103	PCT	WO 97/47314		12-18-1997			
JW	56	PCT	WO 96/40885	A2	12-19-1996			
JW	58	PCT	WO 96/31122	A1	10-10-1996			
JW	102	PCT	WO 96/20725	A2	07-11-1996			
Examiner Signature	JW Anderson				Date Considered	04/12/03		

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		Applicati n Number	09/724,571		
		Filing Date	November 28, 2000		
		First Named Inventor	John P. Anderson		
		Art Unit	1632		
		Examiner Name	Thaian N. Ton		
Sheet	4	of	6	Attorney Docket Number	015270-006444US

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Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
dm	104	Baldwin, et al., Crystal structures of native and inhibited forms of human cathepsin D: Implications for lysosomal targeting and drug design, <i>PNAS USA</i> , 90:6796-6800 (1993).	
dm	105	Brown, et al., Evaluation of Cathepsins D and G and EC 3.4.24.15 as Candidate $\beta$ -Secretase Proteases Using Peptide and Amyloid Precursor Protein Substrates, <i>Journal of Neurochemistry</i> , 66: 2436-2445 (1996).	
dm	106	Chevallier, et al., Cathepsin D displays in vitro $\beta$ -secretase-like specificity, <i>Brain Research</i> , 750:11-19 (1997).	
dm	64	Chyung, et al. Novel $\beta$ -Secretase Cleavage of $\beta$ -Amyloid Precursor Protein in the Endoplasmic Reticulum/Intermediate Compartment of NT2N Cells, <i>Journal of Cell Biology</i> , 138: 671-680 (August 11, 1997).	
dm	107	Diedrich, et al., Nucleotide sequence of a cDNA encoding mouse cathepsin D, <i>Nucleic Acids Research</i> , 18:7184 (1990).	
dm	65	Elan Corporation, plc and Pharmacia Corporation announce research collaboration, News 08/09/2000, <a href="http://www.elancorp.com">www.elancorp.com</a> .	
dm	66	Evin, et al., Alzheimer's disease amyloid precursor protein ( $\beta$ APP): proteolytic processing, secretases and $\beta$ A4 amyloid production, <i>Amyloid; Int. J. Exp. Clin. Invest.</i> 1: 263-280 (September 8, 1994).	
dm	67	Haass, et al., Amyloid $\beta$ -peptide is Produced by Cultured Cells During Normal Metabolism, <i>Nature</i> , 359: 322-325 (September 24, 1992).	
dm	68	Haass, et al., The Swedish Mutation Causes Early-Onset Alzheimer's Disease by $\beta$ -Secretase Cleavage Within the Secretory Pathway, <i>Nature Medicine</i> , 12: 1291-1296 (December 1995).	
dm	69	Haass, et al., $\beta$ -Amyloid Peptide and 3-kDa Fragment are Derived by Distinct Cellular Mechanisms, <i>Journal of Biochemistry</i> , 268: 3021-3024 (February 15, 1993).	
dm	70	Hirosawa, et al., Characterization of cDNA Clones Selected by the GeneMark Analysis from Size-Fractionated cDNA Libraries From Human Brain, <i>DNA Res.</i> , 6(5): 329-336 (October 29, 1999).	

Examiner Signature	<i>M. Walther</i>	Date Considered	04/12/03
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		Filing Date	November 28, 2000
		First Named Inventor	John P. Anderson
		Art Unit	1632
		Examiner Name	Thaia N. Ton
		Attorney Docket Number	015270-008444US
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dmf	71	Hussain, et al., Identification of a Novel Aspartic Protease (Asp 2) as $\beta$ -Secretase, <i>Molecular and Cellular Neuroscience</i> , 14: 419-427 (1999).	
dmf	72	Kang, et al., The Precursor of Alzheimer's Disease Amyloid A4 Protein Resembles a Cell-Surface Receptor, <i>Nature</i> , 325: 733-736 (February 19, 1987).	
dmf	73	Kitaguchi, et al., Novel Precursor of Alzheimer's Disease Amyloid Protein Shows Protease Inhibitory Activity, <i>Nature</i> , 331: 530-532 (February 11, 1988).	
dmf	74	Knops, et al., Cell-type and Amyloid Precursor Protein-type Specific Inhibition of A $\beta$ Release by Bafilomycin A1, a Selective Inhibitor of Vacuolar ATPases, <i>Journal of Biological Chemistry</i> , 270: 2419-2422 (February 10, 1995).	
dmf	75	Koo and Squazzo, Evidence that Production and Release of Amyloid $\beta$ -Protein Involves the Endocytic Pathway, <i>Journal of Biological Chemistry</i> , 269: 17386-17389 (July 1, 1994).	
dmf	108	Majer, et al., Structure-based subsite specificity mapping of human cathepsin D using statine-based inhibitors, <i>Protein Science</i> , 6:1458-1466 (1997).	
dmf	76	Mullan, et al., A Pathogenic Mutation for Probable Alzheimer's Disease in the APP Gene at the N-Terminus of $\beta$ -Amyloid, <i>Nature Genetics</i> 1: 345-347, (August 1992).	
dmf	77	PCT Search report for PCT/US99/20881	
dmf	78	PCT Search report for PCT/US00/03819	
dmf	79	Ponte, et al., A New A4 Amyloid mRNA Contains a Domain Homologous to Serine Proteinase Inhibitors, <i>Nature</i> , 331: 525-527 (February 11, 1988).	
dmf	109	Saftig, et al., Amyloidogenic Processing of Human Amyloid Precursor Protein in Hippocampal Neurons Devoid of Cathepsin D, <i>Journal of Biological Chemistry</i> , 271:27241-27244 (1996).	
dmf	110	Schechter, et al., On the size of the active site in proteases. I. Papain, <i>Biochemical and Biophysical Research Communications</i> , 27:157-162 (1967).	

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